

FIG. 1a

NgR	1	MKRASSGGSRLL <u>A</u> WLWLQAWRVAT
NgR2	1	MLPGLRRLLQGPASAC <u>L</u> LL <u>T</u> LLALPPVTP
NgR3	1	MLRKGCCV <u>E</u> LLLLL <u>A</u> GELPLSG
<b>LRRNT</b>	26	PCPGACVCYNEPKVTTSCPQQGLQAVPTGIPASSQRIFL
	30	SCPMLCTCYSSP-PTVSCQANNFSSVPLSLPPSTQRFL
	24	GCPRDCVCYPSP-MTVSCQAHNAAIPEGIPEDSERIFL
	65	HGNR-ISYVPAASFQSCRNLTI <u>L</u> WL
	68	QNNL-IRSLRPGTF--GPNLLTLWL
	62	QNNH-ITFLQQGHF--SPAMVTLWI
	89	HSNA-LAGIDAAAFTGLTLIEQLDL
	90	FSNN-LSTIYPGTFRHLQALEELDL
	84	YSNN-ITFIAPNTFEGFVHLEELDL
	113	SDNAQLRVLDPTTFRGLGHLHTLHL
	114	GDNRHLSRSLEPDTFQGLERLQLSLL
	108	GDNRQLRTLAPETFQGLVKLHALYL
	138	DRCG-LQELGPGLFRGLAALQYLYL
	139	YRCQ-LSSLPGNIFRGLVSLQYLYL
	133	YKCG-LSSLPAGIFGGLHSLQYLYL
	162	QDNN-LQALPDNTFRDLGNLTHLFL
	163	QE <u>N</u> S-LLHLQDDLFADLANLSHLFL
	157	QDNH-IEYLNQDDIFVDLVNLSHLFL
	186	HGNR-IPSVP <u>E</u> AFRGLHS <u>LDR</u> LL
	187	HGNR-LRLLTEHVFRGLGS <u>LDR</u> LL
	181	HGNK-LWSLGQGIFRGLVNLD <u>R</u> LL

## FIG. 1b

	210	HQNH-VARVHPHAFRDLGRLMTLYL
	211	HGNR-LQGVHRAAFHGLSRLTILYL
	205	HENQ-LQWVHHKAFHDLHRLTTLFL
	234	FANN-LSMLPAEVLVPLRSLQYRL
	235	FNNS-LASLPGEALADLPALEFLRL
	229	FNNS-LTELQGDCLAPLVALEFLRL
LRRCT	258	NDNPWVCDCRARPLWAWLQKF RGSSSEVPCNLPQRLAGRDLKRLAASDLEG
	259	NANPWACDCRARPLWAWFQRARVSSSDVTCATPPPERQGRDLRTLRTDFQAC
	253	NGNAWDCGCRARSLWEWLRRF RGSSSWPCATPELRQQQLKSLRVEDFRNC
'unique' domain	310	AVASGPFRPFQTNQLTDEELLGLPKCCQPDAAKASVLEPGRPASAGNALKGR
	311	PPPT-----PTRPGSRARGNSSNHLYGVAEAGAPP
	305	TGPASPHQIKSHTLSTS DRAARKEHHPSHGASRDKGH-PHGHLPGSRSGSKKP
	368	VPPGDTPPGNCGP RHINDSPFGTLPGSAEPLTALRPGCSEPPGL-----
	342	ADPSTLYRDLPAEDSRGRQGGDAPTEDDYWGGYGGEDQRGEQTCPGAACQAPA
	357	GKNCTSHRN-RNQISKGSAGKELPELQDYAPDYQHKFSFDIM-----
	409	PTTGPRRRPGCSRKNRTRSHCRLGQAGSGSSGTGDAEGS
	394	DSRGP-----
	398	PTARPKRKGKCARRTPIRAPSGVQQA-----
GPI	448	GALPALACSLAPLGLALVLWTVLGPC
	399	VLSAGLRTPLLCLLLLAPHHL
	424	SSGTALGVSLLAWILGLVWSLR

FIG. 1b-1

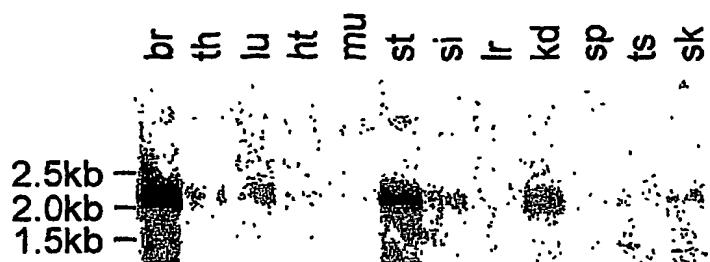


FIG.2a

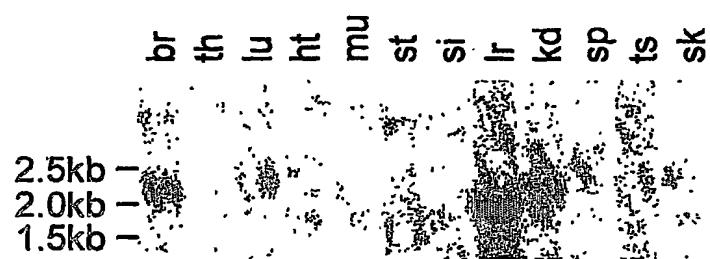


FIG.2b

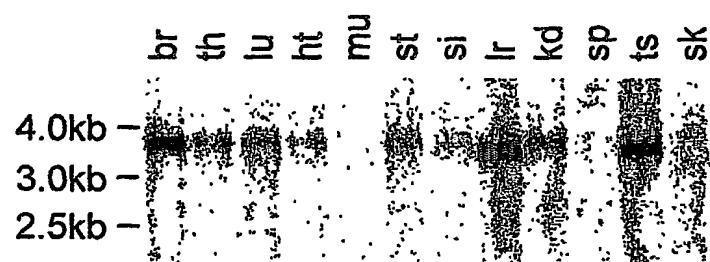


FIG.2c

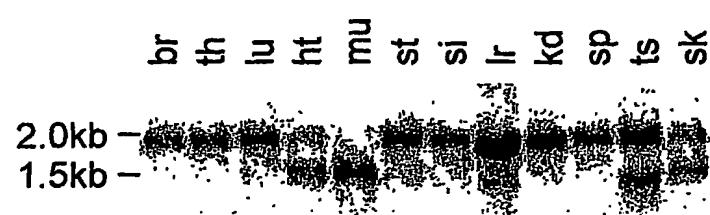


FIG.2d

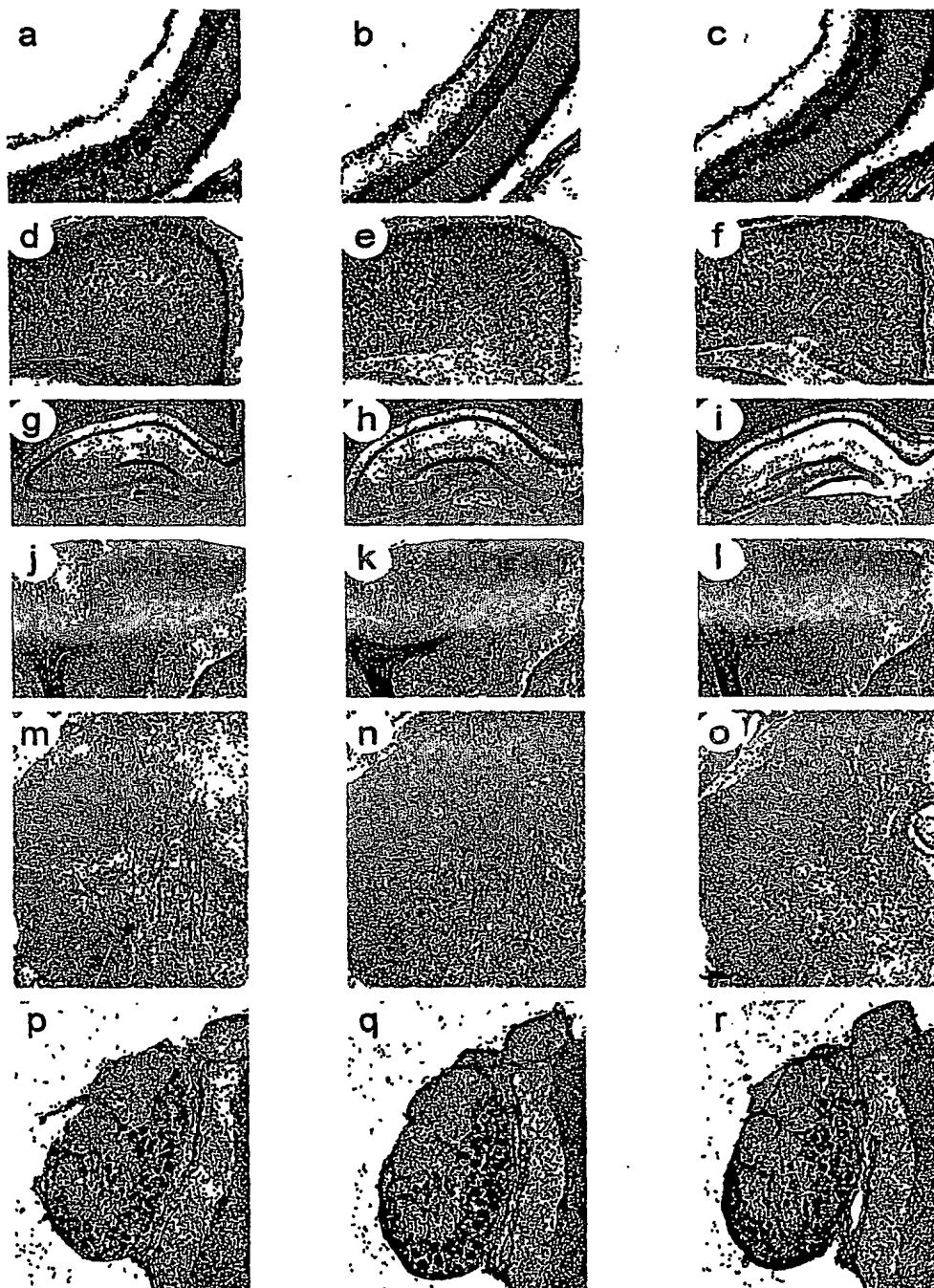


FIG.3



FIG.4a

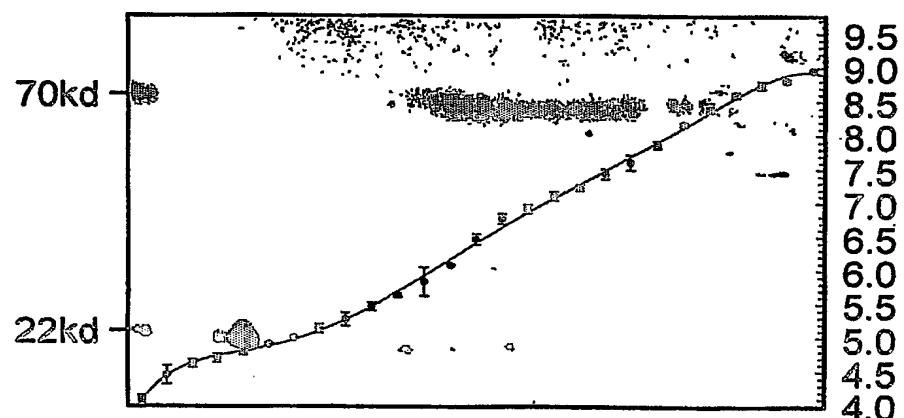


FIG.4b

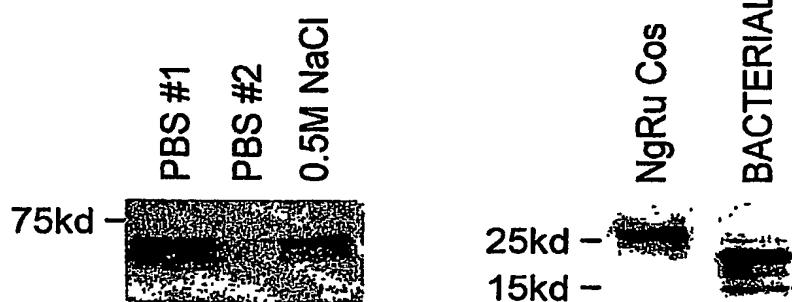
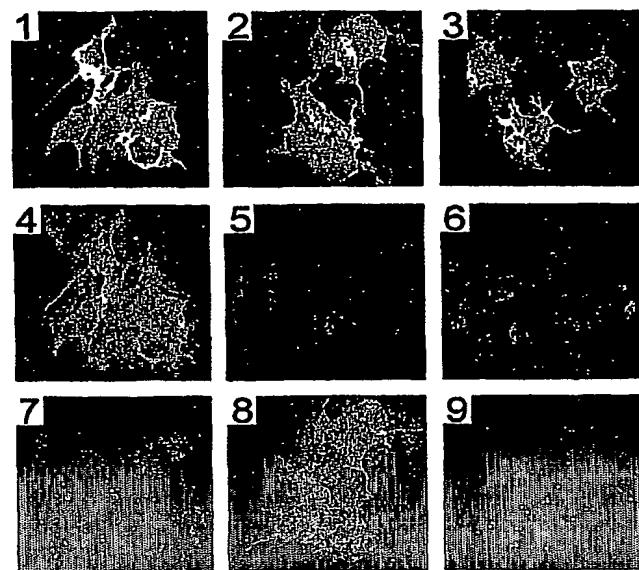
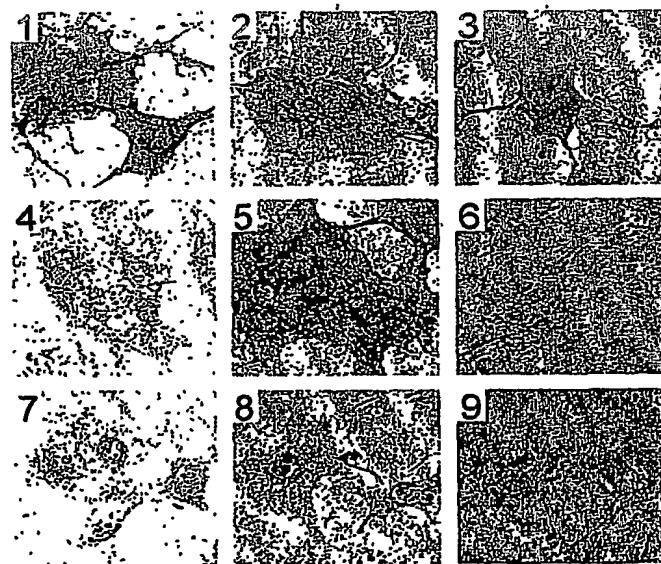


FIG.4c

FIG.4d



**FIG.5a**



**FIG.5b**

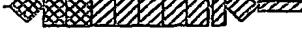
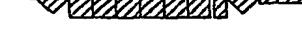
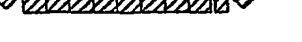
NgR Domain Organization (8 LRRs)	Nogo-66	MAG-Fe	OMgp
 NgR1	+++	+++	+++
 NgR2	-	+++	-
 NgR3	-	-	-
 LRR 1-8	+++		
 unique	-		
 LRR 1+3	+		
 LRR 3-8	+++		
 LRR 1-5	+		
 LRR 5-8	+		
 ΔLRR 6	-		
 2x LRR 6	-		

FIG.5c

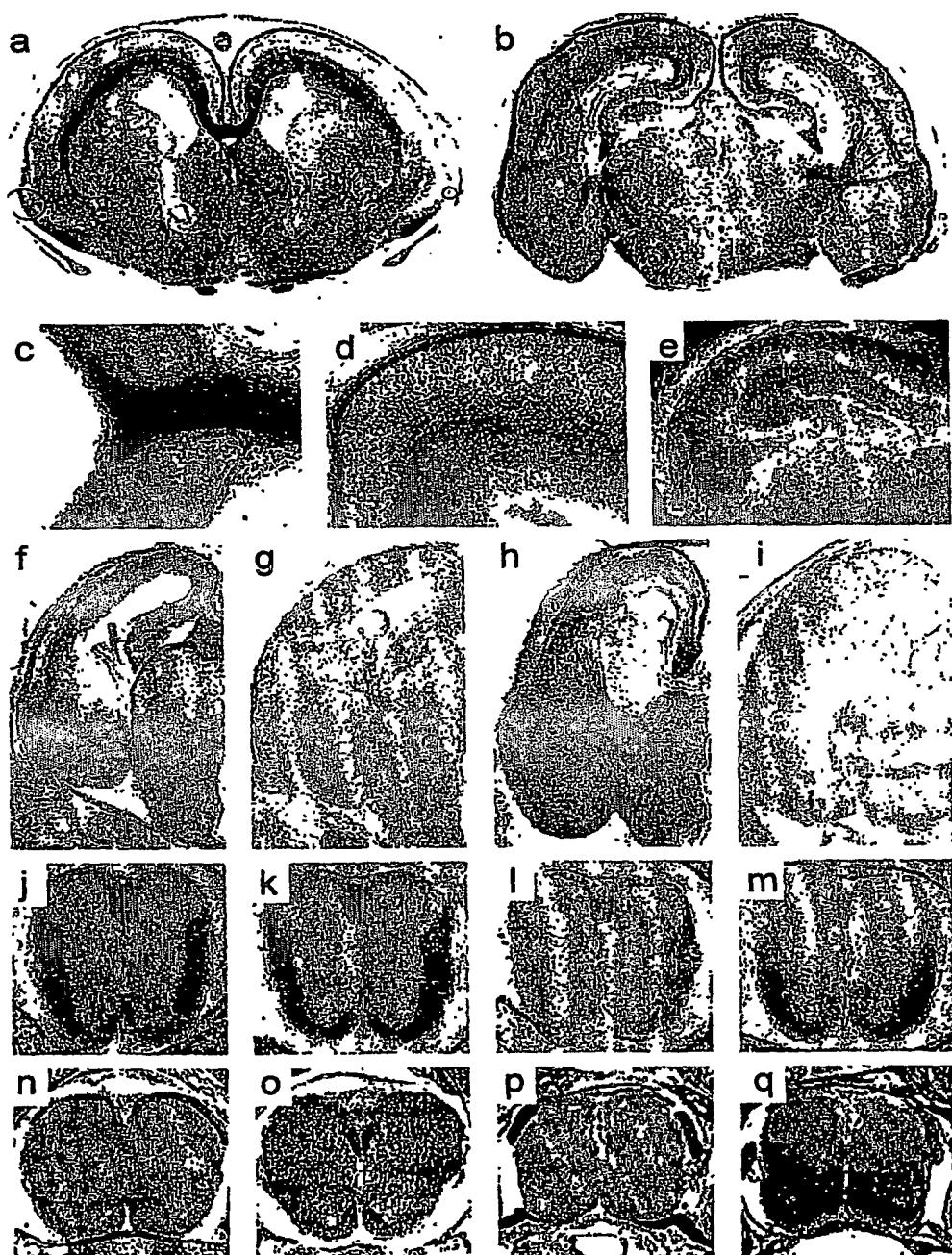


FIG. 6



FIG. 7a

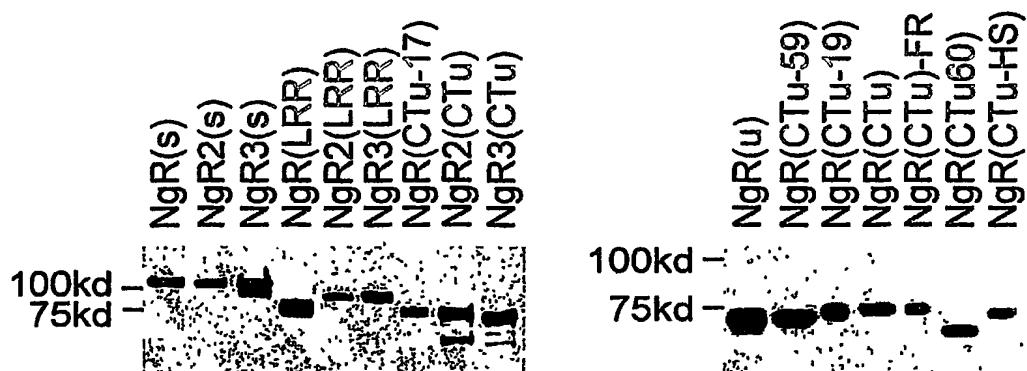


FIG. 7b

Construct	bdg to brain
sNgR	+++
sNgR2	-
sNgR3	+++
sNgR(LRR)	-
sNgR3(LRR)	-
sNgR(CTu)	+++
sNgR(unique)	-
sNgR(CTuΔ59)	-
sNgR(CTuΔ19)	-
sNgR(CTuΔ17)	+++
sNgR(CTu)-FR	++
sNgR(CTuΔHS)	+/-
sNgR(CTu60)	+
sNgR(CTu41)	-
sNgR2(CTu)	-
sNgR3(CTu)	+++

FIG. 7c

NgR.....	WLQKFRGSSSE...
NgR2.....	WFQRARVSSSD...
NgR3.....	WLRRFRGSSSV...
MAG.....	GKYYFRGOLGG...
Sn.....	SGYNFRFEISD...
L1.....	YVHYFRVTAIN...
TAG/ax-1.....	MDYEFRVSASN...

FIG. 7d

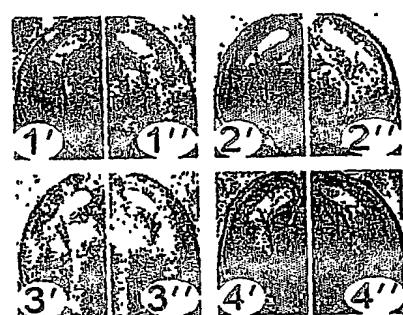


FIG.7e

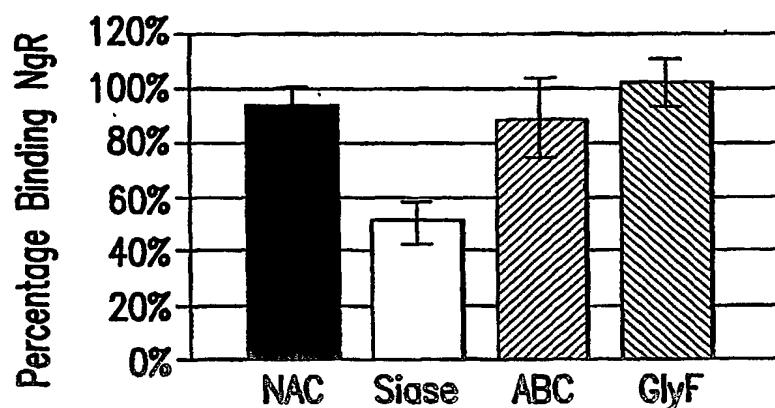


FIG. 7f

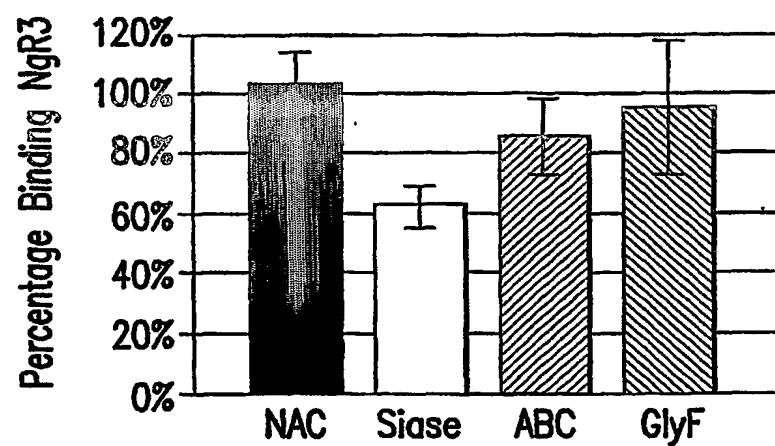


FIG. 7g

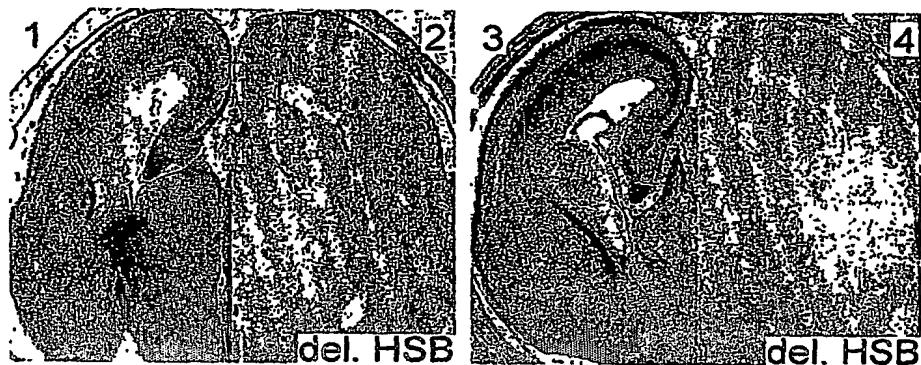


FIG.8a

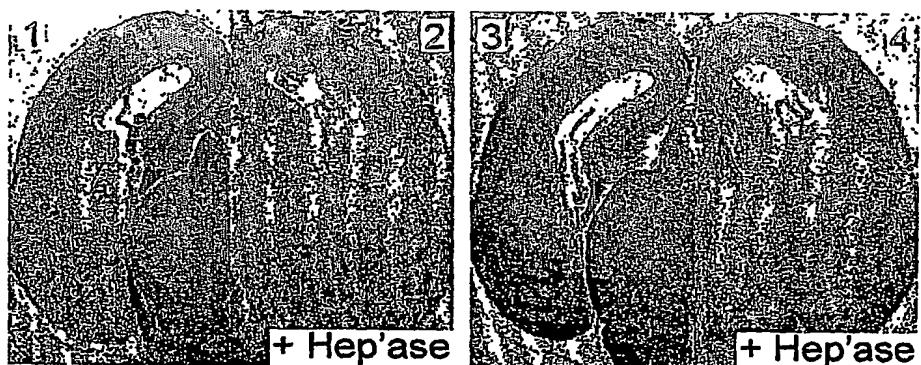


FIG.8b

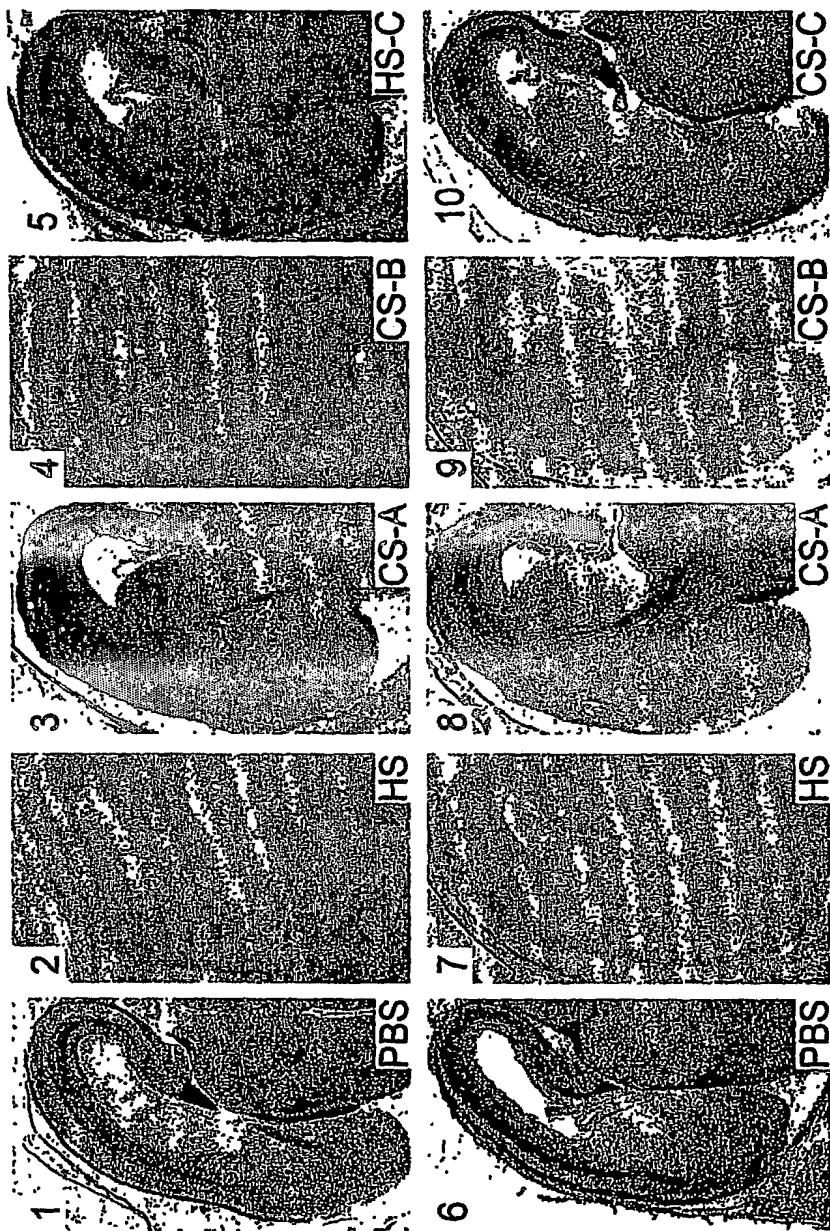


FIG. 8C

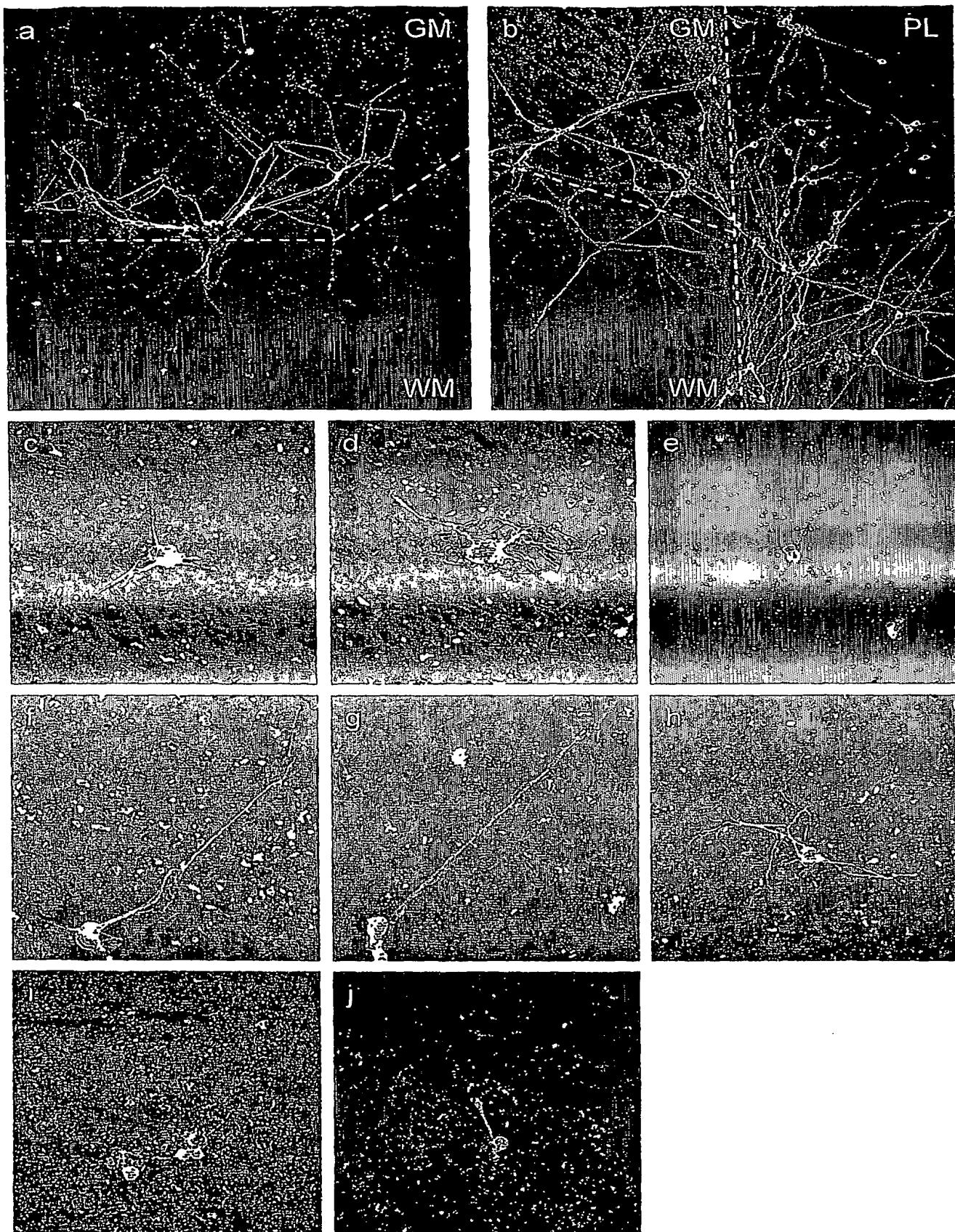


FIG 9

SUBSTITUTE SHEET (RULE 26)

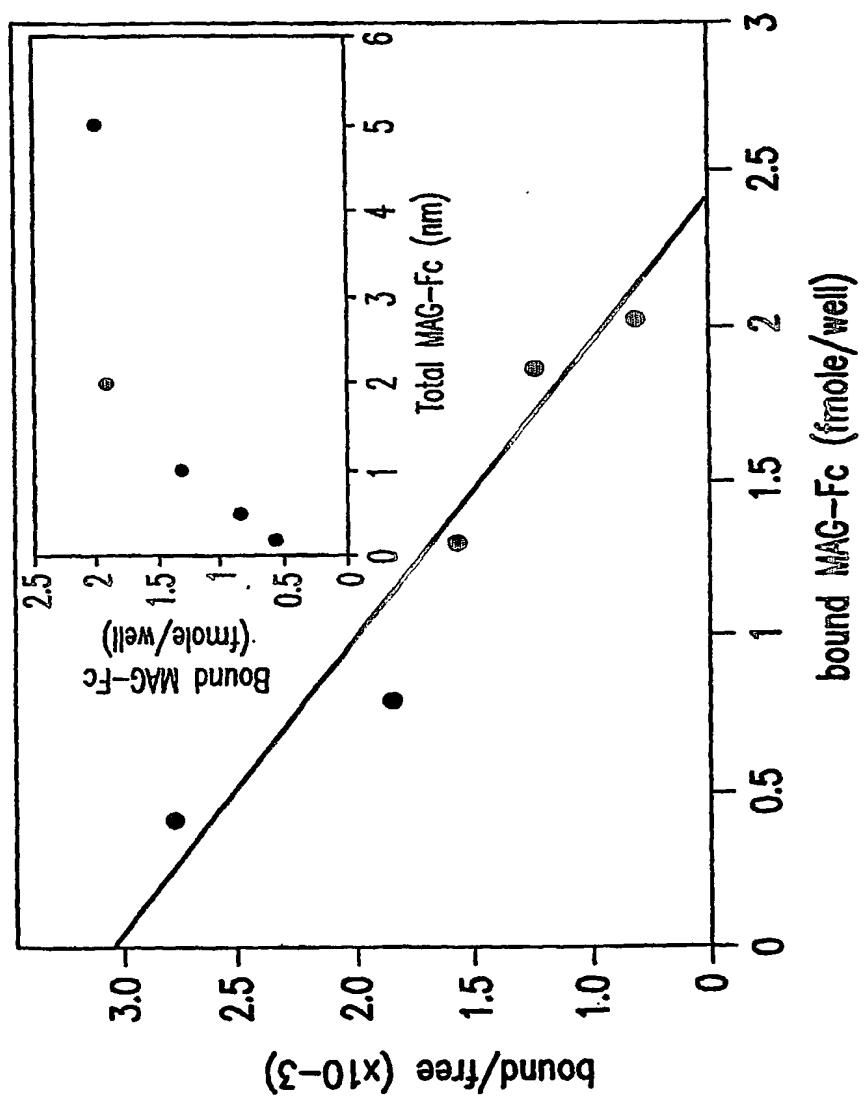


FIG. 10

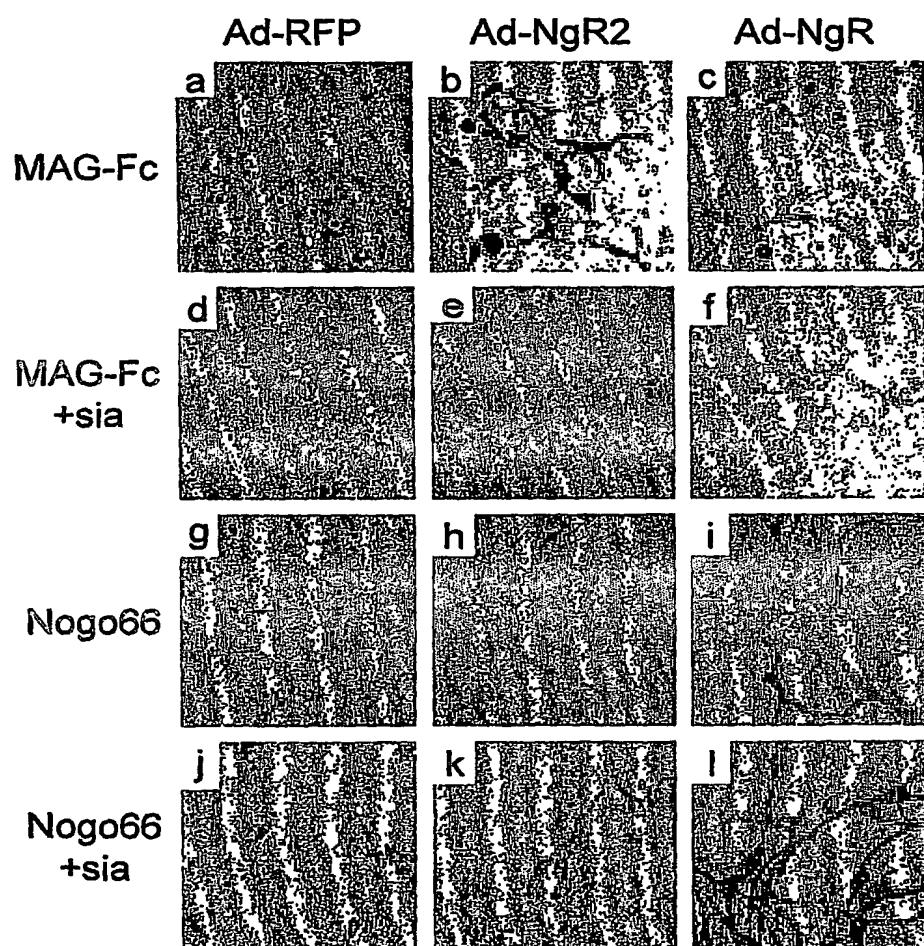


FIG. 11

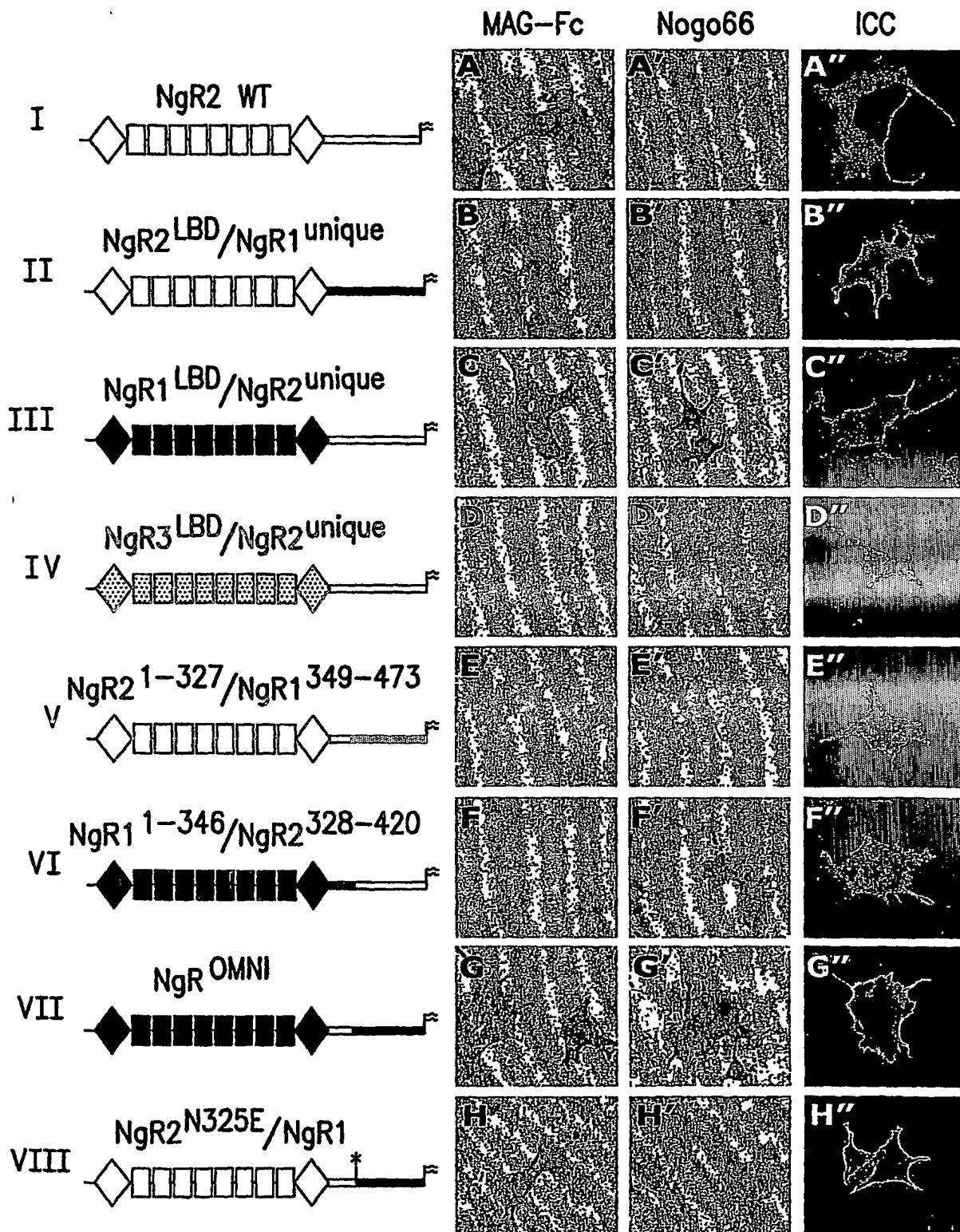


FIG. 12a

SUBSTITUTE SHEET (RULE 26)

		Spe1	
NgR1	309	CAVASGPFRPFQTNQLTDEELLGLPKCCQPDAADKASYLEPGRPAS	
NgR2	310	CPPPT-----*PTRPGCSRARGNSSNHLYG	
NgR3	304	CTGASPQHGIKSHTLSTSRAARKEHHPSHGSARDKGH-PHGHLPG	

FIG. 12b

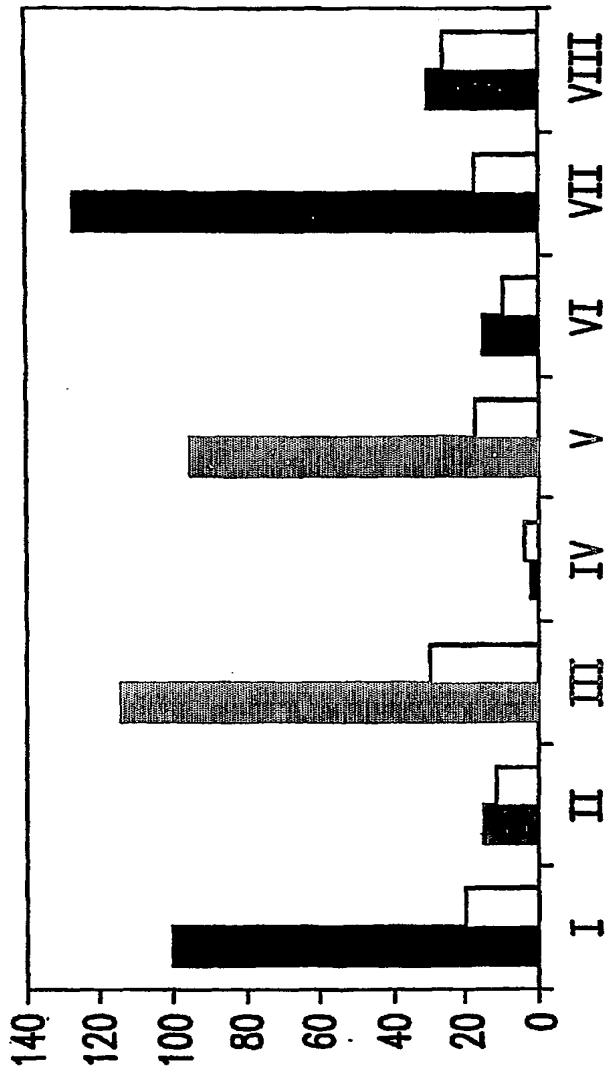


FIG. 12c

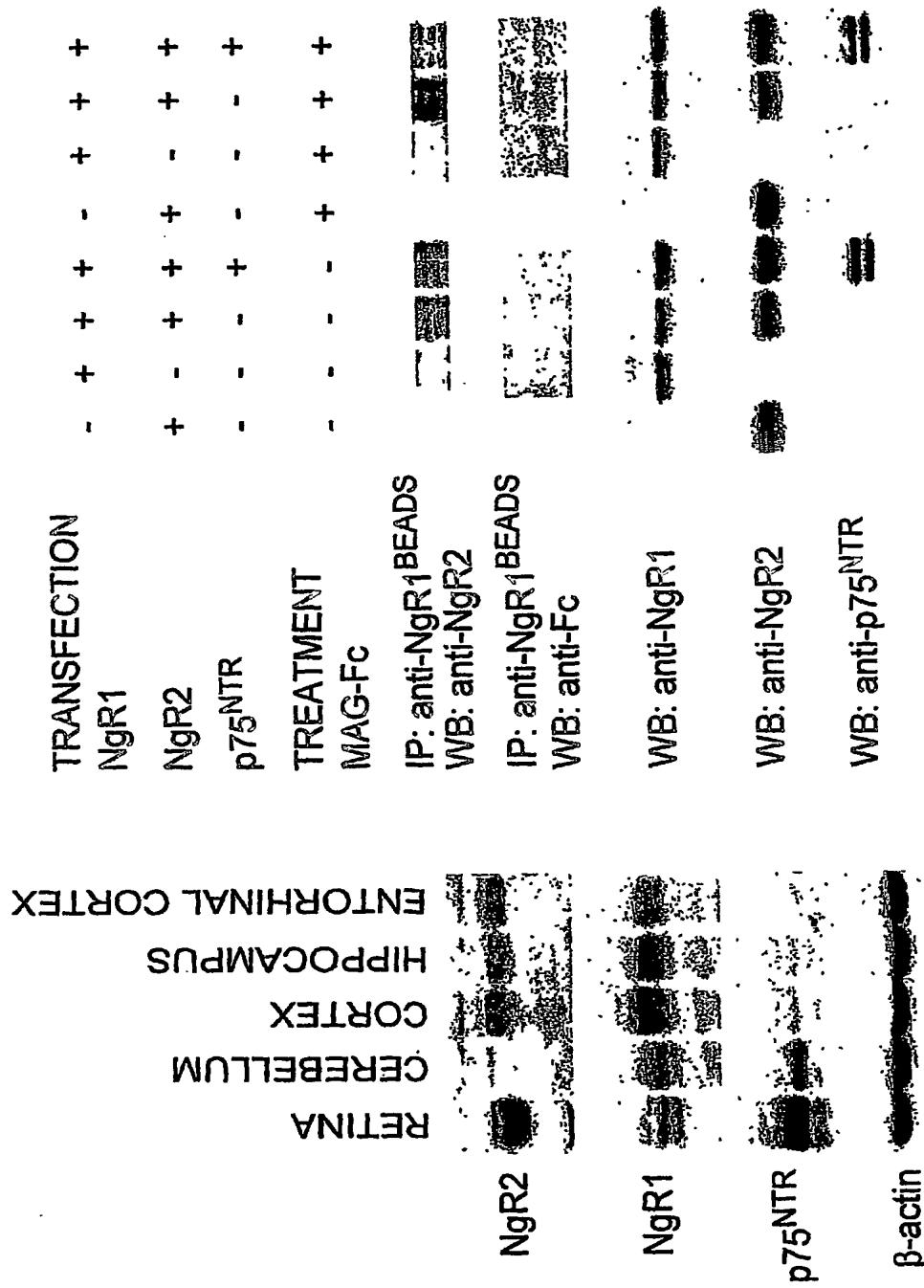


FIG. 13b

FIG. 13a

## NgR2 interacts with p75NTR

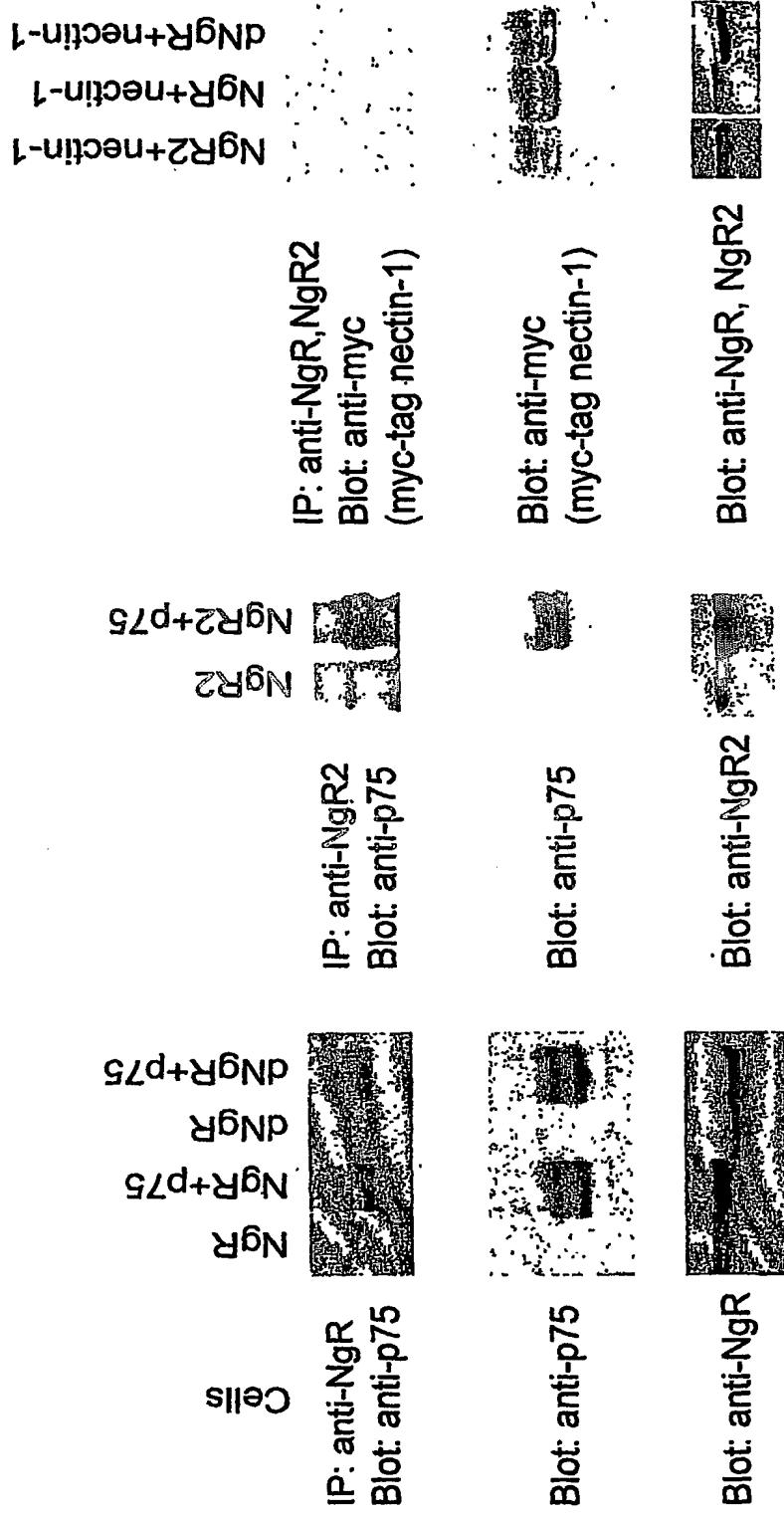


FIG. 14

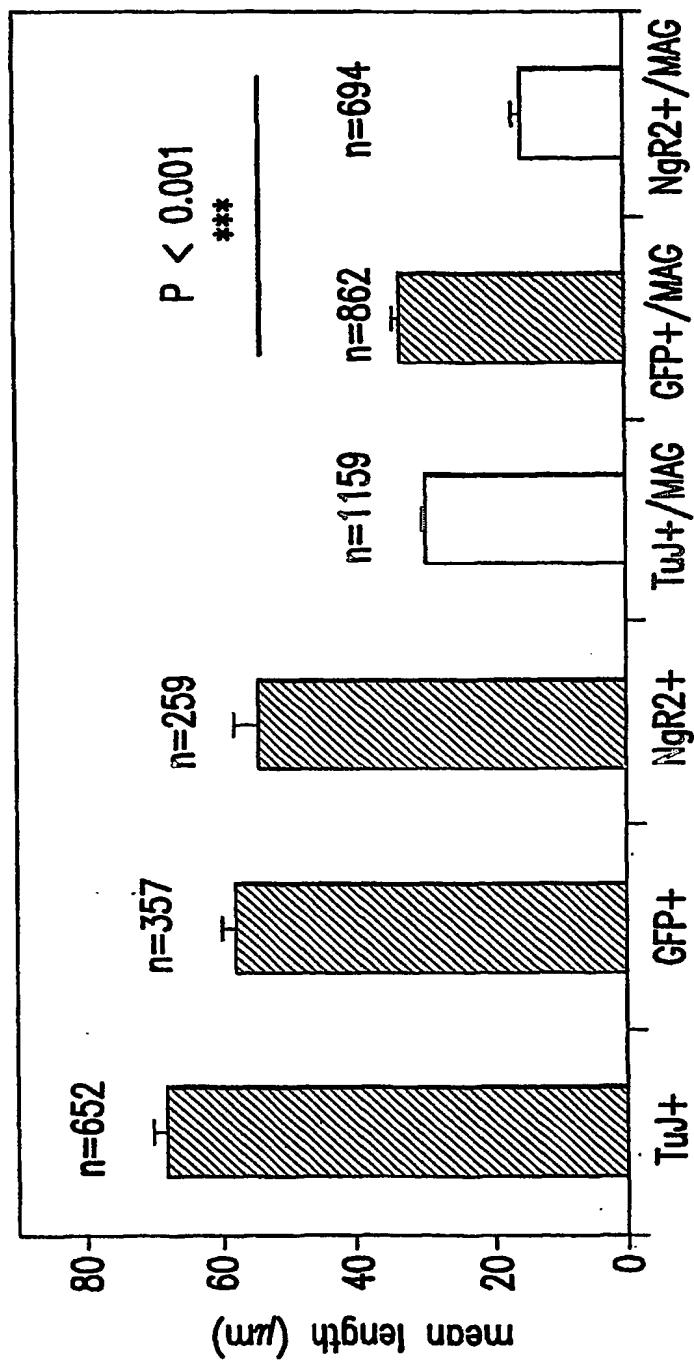


FIG. 15